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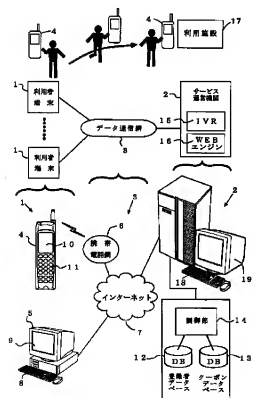
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1. Untranslatable words are replaced with asterisks (* **).
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TECHNICAL FIELD

[Field of the Invention] This invention relates to the electronic coupon service method and system which can obtain coupon service using the electronized coupon which is transmitted to a personal digital assistant.

[Translation done.]

CLAIM + DETAILED DESCRIPTION

[Claim(s)]

[Claim 1] It has the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal. It is the electronic coupon service method using the system equipped with a personal digital assistant at least as said user terminal. The registration step which registers the terminal information for specifying said personal digital assistant at least from said user terminal into said service management organization, The transmitting step which transmits said coupon from said service management organization to said personal digital assistant specified using said terminal information registered at said registration step, The display step which receives with said personal digital assistant and displays said coupon transmitted at said transmitting step, The electronic coupon service method characterized by having the preservation step which saves said coupon displayed by said display step at said personal digital assistant, and the step which makes said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize.

[Claim 2] It has the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal. At least, are a personal digital assistant the electronic coupon service method using the system which it has as said user terminal, and [said coupon] The step which transmits the information for having it distinguished that it is the coupon which the card member's store of a card publishes, and they are the terminal information for specifying said personal digital assistant from said user terminal, and the card member of said card to be distinguished to said service management organization, The distinction step which distinguishes whether it is no for whether said user is the card member of said card based on said information from said user terminal to be distinguished with said service management organization, The registration step which registers into said service management organization said terminal information sent from said user terminal when it is distinguished that he is said card member, The transmitting step which transmits said coupon from said service management organization to said personal digital assistant specified using said terminal information registered at said registration step, and the display step which receives with said personal digital assistant and displays said coupon transmitted at said transmitting step, The electronic coupon service method characterized by having the preservation step which saves said coupon displayed by said display step at said personal digital assistant, and the step which makes said coupon saved to the person

of the card member's store which can use said coupon at said personal digital assistant recognize.

[Claim 3] [the step which makes said coupon saved to the person of the card member's store which can use said coupon at said personal digital assistant recognize] The electronic coupon service method according to claim 2 which is the step which displays said coupon saved by said preservation step on said personal digital assistant, and is shown to the person of said card member's store.

[Claim 4] Said coupon which transmits to said personal digital assistant from said service management organization is the electronic coupon service method according to claim 2 characterized by being what supplied to said service management organization from the card issuer who publishes said card.

[Claim 5] Said distinction step is the electronic coupon service method according to claim 2 characterized by being what performed by comparing the distinction information for distinguishing that he is the card member obtained from the card issuer who publishes said card with said information from said user terminal being distinguished.

[Claim 6] Said card member's store is the electronic coupon service method according to claim 2 characterized by having further the step which is connected with the card issuer who exchanges the settlement-of-accounts information on a card through said network, and settles the payment accompanying use of said coupon with said card.

[Claim 7] Said card issuer is the electronic coupon service method according to claim 6 characterized by having the step which liquidates a part of commission concerning use of said card as a commission to said service management organization.

[Claim 8] With the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal It is the electronic coupon service method using the system which has the use institution which publishes said coupon and is equipped with a personal digital assistant at least as said user terminal. The registration step which registers the terminal information for specifying said personal digital assistant at least from said user terminal into said service management organization, The step which transmits said coupon published by said use institution to said service management organization, The storing step which stores said coupon from said use institution in said service management organization, The coupon transmitting step which transmits said coupon stored at said storing step to said personal digital assistant specified using said terminal information registered at said registration step from said service management organization, The display step which receives the coupon transmitted at said coupon transmitting step with said personal digital assistant, and is displayed, and the preservation step which saves said coupon displayed by said display step at said personal digital assistant, The electronic coupon service method characterized by having the step which makes said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize.

[Claim 9] The electronic coupon service method according to claim 8 characterized by having further the fee collection step charged to the owner of said personal digital assistant specified using said terminal information registered into said service management organization.

[Claim 10] The step which registers the information about the distribution conditions of a coupon into said service management organization with said user terminal, The coupon

which is further equipped with the extraction step which extracts the coupon which is in agreement with said distribution conditions, and is transmitted to said personal digital assistant by said service management organization is the electronic coupon service method given in Claims 1, 2 and 8 characterized by being the coupon extracted at said extraction step.

[Claim 11] Registration of said terminal information from said user terminal to said service management organization is the electronic coupon service method given in Claims 1, 2 and 8 characterized by being carried out through the audio response unit prepared for said service management organization.

[Claim 12] With the personal digital assistant which is connected through a network and which a user carries, and the service management organization which does supply service of the coupon electronized to the user of said personal digital assistant The 1st transmitting step which is the electronic coupon service method using the system which has the use institution which publishes said coupon, and transmits the terminal information for specifying said personal digital assistant by said use institution to said service management organization, The 2nd transmitting step which transmits said coupon published by said use institution to said service management organization, The 1st storing step which stores said terminal information from said use institution in said service management organization, The 2nd storing step which stores said coupon from said use institution in said service management organization, The coupon transmitting step which transmits said coupon stored at said 2nd storing step from said service management organization to said personal digital assistant specified using said terminal information registered at said 1st storing step, The display step which receives the coupon transmitted at said coupon transmitting step with said personal digital assistant, and is displayed, and the preservation step which saves said coupon displayed by said display step at said personal digital assistant, The electronic coupon service method characterized by having the step which makes said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize.

[Claim 13] The step which transmits the information about the distribution conditions of said coupon to said service management organization by said use institution, The coupon which is further equipped with the extraction step which extracts the coupon which is in agreement with said distribution conditions, and is transmitted to said personal digital assistant by said service management organization is the electronic coupon service method according to claim 12 characterized by being the coupon extracted at said extraction step.

[Claim 14] Said extraction step is Claim 10 and the electronic coupon service method of 13 descriptions which are characterized by being the step which extracts the coupon of the genre which said user demands including the information about the genre of the coupon with which, as for the information about said distribution conditions, a user demands distribution.

[Claim 15] Said extraction step is Claim 10 and the electronic coupon service method of 13 descriptions which are characterized by being the step which extracts an usable coupon in the area which said user demands including the information about the area which wants, as for the information about said distribution conditions, to use a coupon.

[Claim 16] [the step which makes said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize] The electronic

coupon service method given in Claims 1, 8 and 12 which is the step which displays said coupon saved by said preservation step on said personal digital assistant, and is shown to the person of said use institution.

[Claim 17] It is the electronic coupon service system constituted by having the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal. Have a personal digital assistant at least as said user terminal, and [said user terminal] Have a means to transmit the terminal information for specifying said personal digital assistant to said service management organization, and [said service management organization] A means to receive said terminal information sent from said user terminal, and a terminal information storage means to memorize said this received terminal information, It has a coupon memory means to memorize said electronized coupon, and a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information. A means to receive the coupon with which said personal digital assistant was transmitted by said service management organization, The electronic coupon service system characterized by having a means to display said received coupon, a means to save said displayed coupon, and a means to make said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize.

[Claim 18] The coupon which said service management organization has further an input means to input said coupon, and is memorized by said coupon memory means is an electronic coupon service system according to claim 17 inputted by said input means.

[Claim 19] It is the electronic coupon service system constituted by having the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal. Have a personal digital assistant at least as said user terminal, and [said user terminal] It has a means to transmit the information for having it distinguished that they are the terminal information for specifying said personal digital assistant, and the card member of a card to be distinguished to said service management organization. A distinction information storage means to memorize distinction information required in order that said service management organization may distinguish that he is the card member of said card, A coupon memory means to memorize where the coupon which the card member's store of said card publishes is electronized, A means to distinguish whether said user is said card member based on said distinction information and said information from said user terminal to be distinguished, When it is distinguished that he is said card member, have a terminal information storage means to memorize said terminal information sent from said user terminal, and a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information, and [said personal digital assistant] A means to receive the coupon transmitted by said service management organization, and a means to display said received coupon, The electronic coupon service system characterized by having a means to save said displayed coupon, and a means to make said coupon saved to the person of the card member's store which can use said coupon at said personal digital assistant recognize.

[Claim 20] [a means to make said coupon saved to the person of the card member's store which can use said coupon at said personal digital assistant recognize] The electronic coupon service system according to claim 19 which is displaying said coupon saved at

said personal digital assistant on this personal digital assistant possible [presentation] to the person of said card member's store.

[Claim 21] Said distinction information is an electronic coupon service system according to claim 19 characterized by being what supplied to said service management organization from the card issuer who publishes said card.

[Claim 22] Said coupon which transmits to said personal digital assistant from said service management organization is an electronic coupon service system according to claim 2 characterized by being what supplied to said service management organization from said card issuer.

[Claim 23] Said card member's store is an electronic coupon service system according to claim 19 characterized by having a means to connect with the card issuer who exchanges the settlement-of-accounts information on a card through said network, and to settle the payment accompanying use of said coupon with said card.

[Claim 24] Said card issuer is an electronic coupon service system according to claim 23 characterized by having a means to liquidate a part of commission concerning use of said card as a commission to said service management organization.

[Claim 25] With the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal Are the electronic coupon service system constituted by having the use institution which publishes said coupon, have a personal digital assistant at least as said user terminal, and [said user terminal] Have a means to transmit the terminal information for specifying said personal digital assistant at least to said service management organization, and [said use institution] Have a means to transmit said coupon to publish to said service management organization, and [said service management organization] A means to receive said terminal information sent from said user terminal, and a terminal information storage means to memorize said this received terminal information, A means to receive said coupon sent from said use institution, and a coupon memory means to memorize said this received coupon, Have a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information, and [said personal digital assistant] A means to receive the coupon transmitted by said service management organization, a means to display said received coupon, and a means to save said displayed coupon, The electronic coupon service system characterized by having a means to make said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize.

[Claim 26] The electronic coupon service system according to claim 25 characterized by having further a means to charge to the owner of said personal digital assistant specified using said terminal information registered into said service management organization.

[Claim 27] Said user terminal is further equipped with a means to transmit the information about the distribution conditions of a coupon to said service management organization, and [said service management organization] A means to receive the information about said distribution conditions, and a means to memorize the information about said received distribution conditions, It has further an extraction means to extract the coupon which is in agreement with said distribution conditions out of the coupon memorized by said coupon memory means. The coupon transmitted to said personal digital assistant from said service management organization is an electronic coupon

service system given in Claims 17, 19 and 25 characterized by being the coupon extracted by said extraction means.

[Claim 28] Transmission of said terminal information from said user terminal to said service management organization is an electronic coupon service system given in Claims 17, 19 and 25 characterized by being carried out through the audio response unit prepared for said service management organization.

[Claim 29] With the personal digital assistant which is connected through a network and which a user carries, and the service management organization which does supply service of the coupon electronized to the user of said personal digital assistant Are the use institution which publishes said coupon the electronic coupon service system constituted by having, and [said use institution] A means to transmit the terminal information for specifying said personal digital assistant to said service management organization, Have a means to transmit said coupon to publish to said service management organization, and [said service management organization] A means to receive said terminal information sent from said use institution, and a terminal information storage means to memorize said this received terminal information, A means to receive said coupon sent from said use institution, and a coupon memory means to memorize said this received coupon, A means by which it has a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information, and said personal digital assistant receives said coupon transmitted by said service management organization, and a means to save said received coupon, The electronic coupon service system characterized by having a means to make said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize.

[Claim 30] Said use institution is further equipped with a means to transmit the information about the distribution conditions of a coupon to said service management organization, and [said service management organization] A means to receive the information about said distribution conditions, and a means to memorize the information about said received distribution conditions, It has further an extraction means to extract the coupon which is in agreement with said distribution conditions out of the coupon memorized by said coupon memory means. The coupon transmitted to said personal digital assistant from said service management organization is an electronic coupon service system according to claim 29 characterized by being the coupon extracted by said extraction means.

[Claim 31] A user the information about said distribution conditions including the information about the genre of the coupon which requires distribution [said extraction means] Claim 27, the electronic coupon service system of 30 descriptions which are characterized by being what extracts the coupon which is in agreement with the genre which said user demanded out of the coupon memorized by said coupon memory means.

[Claim 32] The information about said distribution conditions a coupon including the information about an area to use [said extraction means] Claim 27, the electronic coupon service system of 30 descriptions which are characterized by being what extracts an usable coupon out of the coupon memorized by said coupon memory means in the area which said user demanded.

[Claim 33] A means to make said coupon recognize to the person of the use institution which can use said coupon is an electronic coupon service system given in Claims 17, 25

and 29 which is displaying said coupon saved at said personal digital assistant on this personal digital assistant possible [presentation] to the person of said use institution.

[Claim 34] In the service offer terminal which carries out supply service of the coupon which was connected through the user terminal and network which have a personal digital assistant at least, and was electronized to the user of said user terminal The 1st database which receives and stores the terminal information for specifying said personal digital assistant, The service offer terminal characterized by having the memory storage containing the 2nd database which stores said coupon, and the control part which performs processing for transmitting said coupon to said personal digital assistant through said network based on said terminal information from said service management organization.

[Claim 35] The distinction information which is needed in order to distinguish that said control part is the card member obtained from said card issuer, It is based on the information for having it distinguished that he is the card member transmitted from said user terminal to be distinguished. The service offer terminal according to claim 34 characterized by saving said terminal information as said 1st database when it distinguishes that said user is a card member and it is distinguished that he is a card member.

[Claim 36] The use institution which publishes said coupon through said network connects further, and [said control part] The service offer terminal according to claim 34 characterized by receiving the coupon sent through said network from said use institution, and saving this coupon as said 2nd database.

[Claim 37] Said control part is a service offer terminal according to claim 34 characterized by performing processing which extracts the coupon which is in agreement with said distribution conditions out of the coupon which received the information about the distribution conditions of the coupon sent from said user terminal, and was stored in said 2nd database.

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the electronic coupon service method and system which can obtain coupon service using the electronized coupon which is transmitted to a personal digital assistant.

[0002]

[Description of the Prior Art] Although rate influence of goods and service is performed or the consumer services of distributing a present are performed as a technique for expanding a commercial transaction, when performing such consumer services, a coupon is used in many cases. What [is conventionally added to the advertisement of a newspaper, a magazine etc. as such a coupon], A thing like the coupon book which made the coupon 1 spelling, the thing mailed to card members, such as a credit card, with direct mail, etc. are known widely. At the time of coming to the store, the these-printed coupon is brought and discounted, and service is received or it exchanges for a present.

[0003]

[Problem to be solved by the invention] However, since the conventional coupon is what is printed in a certain form, as a coupon publisher Must create the coupon which is not

understood whether used or not in large quantities, and there is a fault which requires great creation expense, and also as a consumer It is necessary to keep it so that a coupon may not be lost, and if the number of coupons increases, management also becomes complicated and has un-arranging of forgetting which coupon to be where. Moreover, even if many people of always walking around with a coupon are rare and come to the store which can use a coupon by chance, if not had, there is un-arranging [which misses an opportunity to use a coupon]. And also when a consumer was able to know existence of a coupon, it was restricted to the times when the advertisement of a newspaper, a magazine, etc. is seen, such as a time of direct mail having been sent to the house, and the time of coming to the store, etc.

[0004] [furthermore, the coupon which can be obtained with a newspaper, a magazine, etc. or the coupon sent with direct mail] It is necessarily neither its genre needed nor the thing of an area to use in many cases, and if it is in the direct mail sent by card issuers, such as a credit card, it is desirable to plan promotion of utilization of a card in addition to the coming-to-the-store attraction by the coupon use to a card member's store.

[0005] Then, an example is taken by what can do Internet access, ***** of e-mail, etc. with a personal digital assistant with a liquid crystal display in these days appearing in this invention. By providing the coupon service using such a personal digital assistant Reduction of the coupons by printed matter is aimed at, and management of a coupon is easy and makes it the main technical problem to offer the electronic coupon service method which can be used always anywhere, a system, and the service offer terminal used for these. Moreover, if it is in the coupon service to card members, such as a credit card, it aims at planning promotion of utilization of a card with coming-to-the-store attraction.

[0006]

[Means for solving problem] [the electronic coupon service method concerning this invention] in order to attain the above-mentioned technical problem It has the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal. It is the electronic coupon service method using the system equipped with a personal digital assistant at least as said user terminal. The registration step which registers the terminal information for specifying said personal digital assistant at least from said user terminal into said service management organization, The transmitting step which transmits said coupon from said service management organization to said personal digital assistant specified using said terminal information registered at said registration step, The display step which receives with said personal digital assistant and displays said coupon transmitted at said transmitting step, It is characterized by having the preservation step which saves said coupon displayed by said display step at said personal digital assistant, and the step which makes said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize (Claim 1).

[0007] Here, the electronized coupon is a coupon formed with a series of digital data, such as image data and character data. Moreover, a use institution is the place which can use coupons used as coupon issue-origin or the handling place of a coupon, such as a hotel, a restaurant, a golf course, Schopp, a movie theater, an amusement park, and a convenience store.

[0008] In such composition, if the user who desires distribution of a coupon registers the

personal digital assistant of the distribution place into the service management organization, the coupon electronized from the service management organization will be sent to the personal digital assistant which the user registered. The thing to leave in the transmitted coupon is saved at the personal digital assistant, and a user brings the personal digital assistant which saved the coupon to a use institution and should just make said coupon saved at the personal digital assistant recognize to the person of a use institution to use this coupon behind.

[0009] Therefore, since printed matter can be made unnecessary from issue of a coupon to use The costs which publish a coupon in each use institution are reducible, and if the received coupon is required, a coupon can be used always anywhere by saving at a personal digital assistant during the period which can use a coupon. That is, his missing an opportunity using forgetting like the coupon by the conventional piece of paper decreases while he can use to use a coupon, since the user will also carry the coupon if he possesses the personal digital assistant which saved the coupon. Moreover, [when it was a coupon by the conventional piece of paper, and the number of coupons increased, there was troublesomeness which preservation management must become very troublesome, and must extract only a required thing out of it, and must be brought to a use institution, but] By saving the coupon electronized by the personal digital assistant, if many coupons to need are saved, it becomes unnecessary to select and walk around with a coupon for a destination, the purpose, etc., and the coupon service with sufficient convenience can be built. Furthermore, even when out, as long as the personal digital assistant which the user registered is being carried, a coupon can be obtained automatically.

[0010] The model which makes the basic form of this service method, ties up a card as a model adapting this, and offers coupon service to a card member, and the model which offers general public-oriented coupon service by a registration system widely besides a card member are possible for the above-mentioned composition.

[0011] The user terminal connected through a network as the former electronic coupon service method, It has the service management organization which does supply service of the coupon electronized to the user of said user terminal. At least, a personal digital assistant the electronic coupon service method using the system which it has as said user terminal, and [said coupon] The step which transmits the information for having it distinguished that it is the coupon which the card member's store of a card publishes, and they are the terminal information for specifying said personal digital assistant from said user terminal, and the card member of said card to be distinguished to said service management organization, The distinction step which distinguishes whether it is no for whether said user is the card member of said card based on said information from said user terminal to be distinguished with said service management organization, The registration step which registers into said service management organization said terminal information sent from said user terminal when it is distinguished that he is said card member, Said personal digital assistant receives said coupon transmitted at the transmitting step which transmits said coupon from said service management organization to said personal digital assistant specified using said terminal information registered at said registration step, and said transmitting step. The display step to display and the preservation step which saves said coupon displayed by said display step at said personal digital assistant, It is characterized by having the step which makes said coupon saved to the person of the card member's store which can use said coupon at said personal

digital assistant recognize (Claim 2).

[0012] [in such composition, are the method that coupon service can be provided only to a card member, and / the card member who desires distribution of a coupon] If the personal digital assistant of the distribution place is registered into the service management organization, the coupon electronized from the service management organization to the personal digital assistant specified by the card member will be sent. [the card member saves the thing to leave in the transmitted coupon at the personal digital assistant, and] to use this coupon behind What is necessary is to bring the personal digital assistant which saved the coupon to a card member's store, and just to make said coupon saved at the personal digital assistant recognize to the person of a card member's store.

[0013] Therefore, in such composition, a coupon is easily manageable, aiming at reduction of the coupons by printed matter. Since only the card member was provided with the coupon in addition to the operation effect which it has by the basic form mentioned above, like it can use always anywhere In order to use a coupon, it can be made to be able to cause to a card member's store, and the opportunity by pay by card to pay can be increased to the purchase of the goods at the time of coupon use, or offer of service. That is, according to this composition, in addition to the coming-to-the-store attraction to a card member's store, promotion of utilization of a card can be planned.

[0014] It is good to display the coupon saved by the preservation step on a personal digital assistant as a method of making the coupon saved to the person of a card member's store at the personal digital assistant recognizing, and to make it show the person of a card member's store (Claim 3). What is necessary is to bring this personal digital assistant to a card member's store, and just to show the coupon currently displayed on the personal digital assistant to the person of a card member's store after displaying the coupon saved at the personal digital assistant, in using such composition, then a coupon.

[0015] [moreover, the coupon which transmits to a personal digital assistant from a service management organization since the method concerning this invention can be used instead of attaching and shipping a coupon from a card issuer to direct mail] Even if it makes it supply a service management organization from the card issuer who publishes a card (Claim 4) You may be made to carry out by comparing the distinction information for distinguishing that he is the card member obtained from the card issuer who publishes a card in distinction of being a card member with the information from a user terminal being distinguished (Claim 5).

[0016] Furthermore, in a card member's store, if the step which settles with a card the payment accompanying use of the coupon saved at the personal digital assistant is prepared (Claim 6), much more promotion of utilization of a card can be planned. In addition, you may make it have further the liquidation step which liquidates a part of commission which starts use of a card by a card issuer as a commission to a service management organization in such a service method (Claim 7). Moreover, a card issuer will become a bank, if the card is planning the credit card and the debit card and is the case of a debit card in ****.

[0017] To the above, as the latter electronic coupon SABI method With the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal It is the electronic coupon service method using the system which has the use institution which

publishes said coupon and is equipped with a personal digital assistant at least as said user terminal. The registration step which registers the terminal information for specifying said personal digital assistant at least from said user terminal into said service management organization, The step which transmits said coupon published by said use institution to said service management organization, The storing step which stores said coupon from said use institution in said service management organization, The coupon transmitting step which transmits said coupon stored at said storing step to said personal digital assistant specified using said terminal information registered at said registration step from said service management organization, The display step which receives the coupon transmitted at said coupon transmitting step with said personal digital assistant, and is displayed, and the preservation step which saves said coupon displayed by said display step at said personal digital assistant, It is characterized by having the step which makes said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize (Claim 8).

[0018] [the user who can register] in such composition [the use institution which it is not limited / institution /, and he can provide / institution / coupon service to anyone, and wants to publish a coupon] [the user who transmits a coupon to a service management organization, stores the coupon in the service management organization, and desires distribution] If the terminal information for specifying the personal digital assistant of a distribution place as a service management organization is registered, the electronic coupon which was published from the service management organization with the use institution to the personal digital assistant will be sent. What is necessary is to save the sent coupon at the personal digital assistant, and just to make the coupon saved at the personal digital assistant recognize to the person of a card member's store to use this coupon behind.

[0019] Therefore, in such composition, a coupon is easily manageable, aiming at reduction of the coupons by printed matter. In the operation effect which it has by the basic form mentioned above, like it can use always anywhere, [in addition, the coupon distributed by a service management organization] Since it is directly transmitted from each use institution, a service management organization and a use institution will tie up closely, and the promotion of the use institution which is coupon issue origin can be performed through a service management organization.

[0020] In addition, in order to make coupon service into a registration system and to consider it as pay service, it is good to prepare further the fee collection step charged to the owner of the personal digital assistant specified using the terminal information registered into the service management organization (Step 9).

[0021] Moreover, you may make it have further the step which registers the information about the distribution conditions of a coupon into a service management organization with a user terminal, and the extraction step which extracts the coupon which is in agreement with distribution conditions with a service management organization (Step 10). Since the coupon which he wants to obtain is distributed to the personal digital assistant which he carries automatically according to such composition, those who want to obtain a coupon lose his troublesomeness which collects the coupons which he wants to obtain from a newspaper, the advertisement of a magazine, etc. Even if it performs registration of the terminal information from a user terminal to a service management organization using a homepage, you may be carried out through the audio response unit (IVR)

prepared for a service management organization (Claim 11).

[0022] Furthermore, as long as it is a case as the use institution has the customer's terminal information and distribution conditions, you may make it share the information with a service management organization. Namely, the personal digital assistant which is connected through a network and which a user carries, With the service management organization which does supply service of the coupon electronized to the user of said personal digital assistant The 1st transmitting step which is the electronic coupon service method using the system which has the use institution which publishes said coupon, and transmits the terminal information for specifying said personal digital assistant by said use institution to said service management organization, The 2nd transmitting step which transmits said coupon published by said use institution to said service management organization, The 1st storing step which stores said terminal information from said use institution in said service management organization, The 2nd storing step which stores said coupon from said use institution in said service management organization. The coupon transmitting step which transmits said coupon stored at said 2nd storing step from said service management organization to said personal digital assistant specified using said terminal information registered at said 1st storing step, The display step which receives the coupon transmitted at said coupon transmitting step with said personal digital assistant, and is displayed, and the preservation step which saves said coupon displayed by said display step at said personal digital assistant, You may make it have the step which makes said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize (Claim 12).

[0023] In this case, you may make it have further the step which transmits the information about the distribution conditions of a coupon to a service management organization by a use institution, and the extraction step which extracts the coupon which is in agreement with said distribution conditions with a service management organization (Claim 13).

[0024] A user the information about distribution conditions here including the information about the genre of the coupon which requires distribution [an extraction step] [the information about distribution conditions] even if it is the step which extracts the coupon of the genre which a user demands (Claim 14) You may be the step which extracts an usable coupon in the area where a user demands an extraction step including the information about the area which wants to use a coupon (Claim 15).

[0025] In addition, it is good to display the coupon saved by the preservation step on a personal digital assistant as a method of making said coupon recognizing to the person of a use institution who can use a coupon, and to make it show the person of a use institution (Claim 16). What is necessary is to bring this personal digital assistant to a use institution, and just to show the coupon currently displayed with the personal digital assistant to the person of a use institution after displaying the coupon saved at the personal digital assistant, in using such composition, then a coupon.

[0026] [the electronic coupon service system concerning this invention] It is the electronic coupon service system constituted by having the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal. Have a personal digital assistant at least as said user terminal, and [said user terminal] Have a means to transmit the terminal information for specifying said personal digital assistant to said service

management organization, and [said service management organization] A means to receive said terminal information sent from said user terminal, and a terminal information storage means to memorize said this received terminal information, It has a coupon memory means to memorize said electronized coupon, and a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information. A means to receive the coupon with which said personal digital assistant was transmitted by said service management organization. It is characterized by having a means to display said received coupon, a means to save said displayed coupon, and a means to make said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize (Claim 17).

[0027] In such composition, if the user who desires distribution of a coupon registers the personal digital assistant of the distribution place into the service management organization, the coupon electronized from the service management organization will be sent. Since it has a means to save a coupon at a personal digital assistant, and a means to make the saved coupon recognize to the person of a use institution who can use a coupon, [a user] What is necessary is to save the thing to leave in the transmitted coupon at the personal digital assistant, to bring the personal digital assistant which saved the coupon to a use institution and just to make said coupon saved at the personal digital assistant recognize to the person of a use institution to use this coupon afterwards.

[0028] Therefore, since printed matter can be made unnecessary from issue of a coupon to use The costs which publish a coupon in each use institution are reducible, and if the received coupon is required, a coupon can be used always anywhere by saving at a personal digital assistant during the period which can use a coupon. That is, his missing an opportunity using forgetting like the coupon by the conventional piece of paper decreases while he can use to use a coupon, since the user will also carry the coupon if he possesses the personal digital assistant which saved the coupon. Moreover, [when it was a coupon by the conventional piece of paper, and the number of coupons increased, there was troublesomeness which preservation management must become very troublesome, and must extract only a required thing out of it, and must be brought to a use institution, but] By saving the coupon electronized by the personal digital assistant, if many coupons to need are saved, it becomes unnecessary to select and walk around with a coupon for a destination, the purpose, etc., and the coupon service with sufficient convenience can be built. Furthermore, even when out, as long as the personal digital assistant which the user registered is being carried, a coupon can be obtained automatically.

[0029] A service management organization has further an input means to input a coupon, and may be made to input the coupon memorized by the coupon memory means by an input means (Claim 18). Such composition is suitable for a form in which a service management organization accepts the trust of distribution of a coupon from coupon issue origin off-line.

[0030] The composition concerning above-mentioned Claim 17 is what makes the basic form of this coupon service system. The model which ties up a card and offers coupon service to a card member as a model adapting this, and the model which offers general public-oriented coupon service by a registration system widely besides a card member are possible.

[0031] The user terminal to which the former electronic coupon service system is

connected through a network. It is the electronic coupon service system constituted by having the service management organization which does supply service of the coupon electronized to the user of said user terminal. Have a personal digital assistant at least as said user terminal, and [said user terminal] It has a means to transmit the information for having it distinguished that they are the terminal information for specifying said personal digital assistant, and the card member of a card to be distinguished to said service management organization. A distinction information storage means to memorize distinction information required in order that said service management organization may distinguish that he is the card member of said card, A coupon memory means to memorize where the coupon which the card member's store of said card publishes is electronized, A means to distinguish whether said user is said card member based on said distinction information and said information from said user terminal to be distinguished, When it is distinguished that he is said card member, have a terminal information storage means to memorize said terminal information sent from said user terminal, and a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information, and [said personal digital assistant] A means to receive the coupon transmitted by said service management organization, and a means to display said received coupon, It is characterized by having a means to save said displayed coupon, and a means to make said coupon saved to the person of the card member's store which can use said coupon at said personal digital assistant recognize (Claim 19).

[0032] [in such composition, are the system which can provide coupon service only to a card member, and / the card member who desires distribution of a coupon] If the personal digital assistant of the distribution place is registered into the service management organization, the coupon electronized from the service management organization to the personal digital assistant specified by the card member will be sent. [the card member saves the thing to leave in the transmitted coupon at the personal digital assistant, and] to use this coupon behind What is necessary is to bring the personal digital assistant which saved the coupon to a card member's store, and just to make said coupon saved at the personal digital assistant recognize to the person of a card member's store.

[0033] Therefore, in such composition, a coupon is easily manageable, aiming at reduction of the coupons by printed matter. Since only the card member was provided with the coupon in addition to the operation effect which it has by the basic form mentioned above, like it can use always anywhere In order to use a coupon, it can be made to be able to cause to a card member's store, and the opportunity by pay by card to pay can be increased to the purchase of the goods at the time of coupon use, or offer of service. That is, according to this composition, in addition to the coming-to-the-store attraction to a card member's store, promotion of utilization of a card can be planned.

[0034] It is good to display the coupon saved at the personal digital assistant on this personal digital assistant possible [presentation] to the person of a card member's store as a means to make the coupon saved at the personal digital assistant to the person of the card member's store which can use a coupon recognize (Claim 20). What is necessary is to bring this personal digital assistant to a card member's store, and just to show the coupon currently displayed on the personal digital assistant to the person of a card member's store after displaying the coupon saved at the personal digital assistant, in using

such composition, then a coupon.

[0035] moreover, [use / instead of attaching and shipping a coupon from a card issuer to direct mail / the system concerning this invention] Even if it supplies distinction information to a service management organization from a card issuer (Claim 21), you may make it supply the coupon which transmits to a personal digital assistant from a service management organization to a service management organization from a card issuer (Claim 22).

[0036] Furthermore, in a card member's store, if a means to settle with a card the payment accompanying use of the coupon saved at the personal digital assistant is established (Claim 23), much more promotion of utilization of a card can be planned. In addition, you may make it have further a means to liquidate a part of commission which starts use of a card by a card issuer as a commission to a service management organization, in such a service method (Claim 24). Moreover, a card issuer will become a bank, if the card is planning the credit card and the debit card and is the case of a debit card in ****.

[0037] To the above, as the latter electronic coupon SABI method With the user terminal connected through a network, and the service management organization which does supply service of the coupon electronized to the user of said user terminal Are the electronic coupon service system constituted by having the use institution which publishes said coupon, have a personal digital assistant at least as said user terminal, and [said user terminal] Have a means to transmit the terminal information for specifying said personal digital assistant at least to said service management organization, and [said use institution] Have a means to transmit said coupon to publish to said service management organization, and [said service management organization] A means to receive said terminal information sent from said user terminal, and a terminal information storage means to memorize said this received terminal information, A means to receive said coupon sent from said use institution, and a coupon memory means to memorize said this received coupon, A means to receive the coupon with which it had a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information, and said personal digital assistant was transmitted by said service management organization, and a means to display said received coupon, It is characterized by having a means to save said displayed coupon, and a means to make said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant recognize (Claim 25).

[0038] [the user who can register] in such composition [the use institution which it is not limited / institution /, and he can provide / institution / coupon service to anyone, and wants to publish a coupon] [the user who transmits a coupon to a service management organization, stores the coupon in the service management organization, and desires distribution] If the terminal information for specifying the personal digital assistant of a distribution place as a service management organization is registered, the electronized coupon which was published from the service management organization with the use institution to the personal digital assistant will be sent. What is necessary is to save the sent coupon at the personal digital assistant, and just to make the coupon saved at the personal digital assistant recognize to the person of a card member's store to use this coupon behind.

[0039] Therefore, in such composition, a coupon is easily manageable, aiming at

reduction of the coupons by printed matter. In the operation effect which it has by the basic form mentioned above, like it can use always anywhere, [in addition, the coupon distributed by a service management organization] Since it is directly transmitted from each use institution, a service management organization and a use institution will tie up closely, and the promotion of the use institution which is coupon issue origin can be performed through a service management organization.

[0040] In addition, in order to make coupon service into a registration system and to consider it as pay service, it is good to establish further a means to charge to the owner of the personal digital assistant specified using the terminal information registered into the service management organization (Step 26).

[0041] Moreover, a user terminal is further equipped with a means to transmit the information about the distribution conditions of a coupon to a service management organization, and [a service management organization] A means to receive the information about said distribution conditions, and a means to memorize the information about the received distribution conditions, It is good also as a coupon from which the coupon which is further equipped with an extraction means to extract the coupon which is in agreement with distribution conditions out of the coupon memorized by the coupon memory means, and is transmitted to a personal digital assistant from a service management organization was extracted by the extraction means (Step 27). Since the coupon which he wants to obtain is distributed to the personal digital assistant which he carries automatically according to such composition, those who want to obtain a coupon lose his troublesomeness which collects the coupons which he wants to obtain from a newspaper, the advertisement of a magazine, etc.

[0042] Even if it performs transmission of the terminal information from a user terminal to a service management organization using a homepage, you may be carried out through the audio response unit (IVR) prepared for a service management organization (Claim 28).

[0043] Furthermore, as long as it is a case as the use institution has the customer's terminal information and distribution conditions, you may make it share the information with a service management organization. Namely, the personal digital assistant which is connected through a network and which a user carries, With the service management organization which does supply service of the coupon electronized to the user of said personal digital assistant Are the use institution which publishes said coupon the electronic coupon service system constituted by having, and [said use institution] A means to transmit the terminal information for specifying said personal digital assistant to said service management organization, Have a means to transmit said coupon to publish to said service management organization, and [said service management organization] A means to receive said terminal information sent from said use institution, and a terminal information storage means to memorize said this received terminal information, A means to receive said coupon sent from said use institution, and a coupon memory means to memorize said this received coupon, A means by which it has a means to transmit said coupon memorized by said coupon memory means to said personal digital assistant specified using said terminal information, and said personal digital assistant receives said coupon transmitted by said service management organization, and a means to save said received coupon, You may make it have a means to make said coupon saved to the person of the use institution which can use said coupon at said personal digital assistant

recognize (Claim 29).

[0044] Moreover, a use institution is further equipped with a means to transmit the information about the distribution conditions of a coupon to said service management organization, and [said service management organization] A means to receive the information about said distribution conditions, and a means to memorize the information about said received distribution conditions, An extraction means to extract the coupon which is in agreement with said distribution conditions out of the coupon memorized by said coupon memory means is established further, and you may make it transmit the coupon extracted here to a personal digital assistant from a service management organization (Claim 30).

[0045] A user the information about distribution conditions here including the information about the genre of the coupon which requires distribution [an extraction means] Even if it extracts the coupon which is in agreement with the genre which the user demanded out of the coupon memorized by the coupon memory means (Claim 31) An extraction means may extract an usable coupon out of the coupon memorized by the coupon memory means in the area which the user demanded including the information about the area which wants to use a coupon (Claim 32).

[0046] In addition, it is good to display the coupon saved at the personal digital assistant on this personal digital assistant possible [presentation] to the person of a use institution as a means to make said coupon recognize to the person of a use institution who can use a coupon (Claim 33). What is necessary is to bring this personal digital assistant to a use institution, and just to show the coupon currently displayed with the personal digital assistant to the person of a use institution after displaying the coupon saved at the personal digital assistant, in using such composition, then a coupon.

[0047] In the service offer terminal which carries out supply service of the coupon which the service offer terminal concerning this invention was connected through the user terminal and network which have a personal digital assistant at least, and was electronized to the user of said user terminal The 1st database which receives and stores the terminal information for specifying said personal digital assistant, It is characterized by having the memory storage containing the 2nd database which stores said coupon, and the control part which performs processing for transmitting said coupon to said personal digital assistant through said network based on said terminal information from said service management organization (Claim 34).

[0048] The distinction information which is needed in order to distinguish that a control part is the card member obtained from the card issuer here, When it distinguishes that a user is a card member and it is distinguished based on the information for having it distinguished that he is the card member transmitted from the user terminal to be distinguished that he is a card member, you may make it save terminal information as the 1st database (Claim 35).

[0049] Moreover, if the use institution which publishes a coupon through a network is in the control part of the service management organization used for the system connected further The coupon sent through a network from a use institution is received, and you may make it save this coupon as the 2nd database (Claim 36).

[0050] Furthermore, a control part receives the information about the distribution conditions of the coupon sent from a user terminal, and may be made to perform processing which extracts the coupon which is in agreement with distribution conditions

out of the coupon stored in the 2nd database (Claim 37).

[0051]

[Mode for carrying out the invention] Drawings explain the embodiment of this invention hereafter. In drawing 1, the fundamental network composition of the electronic coupon service system concerning this invention is shown, the user terminal 1 and the service management organization 2 connect through the network of data communication (network) 3, and this electronic coupon service system is constituted.

[0052] The user terminal 1 is a terminal for using, in order that a user may access the service management organization 2, and it is a premise to have the personal digital assistant 4 at least. Namely, even if it is only the personal digital assistant 4, the user may have other terminals containing the personal digital assistant 4, and [here] The example which the user other than the personal digital assistant 4 equipped with the personal computer 5 installed in a user's house, office, etc. is shown, and as a network of data communication (network) 3 For example, while connecting the cellular-phone network 6 connected with the personal digital assistant 4 by the radio circuit, this cellular-phone network 6, and the service management organization 2, the example of composition equipped with the Internet 7 connected with said personal computer 5 by the cable circuit is shown. The case where the personal digital assistant 4 is used for below as a user terminal is explained.

[0053] The display part 10 for which the possible cellular-phone machine of digital data transmission is used, for example and which the personal digital assistant 4 becomes from a liquid crystal display, The mode change button switched to various service modes, such as an input button which inputs a number, a character, etc., and an E-mail, The final controlling element 11 which consists of a manual operation button for reproducing and displaying the screen which saved the scroll button to which the cursor position displayed on the display part 10 is moved, and the screen displayed on the display part 10, or was saved etc., The function which can transmit and receive the data of a function, an E-mail, etc. connected to the Internet by having a memory part, a communications control part, etc. and operating a final controlling element 11 etc., It is what is well-known in itself equipped with the speaker which outputs the function to save the screen which displays the data to transmit and the received data, and which functioned, received and was displayed on the display part 10, the function which reproduces this saved screen in the display part 10, and the voice data which ***** voice data, and which was functioned and received. Moreover, the personal digital assistant 4 has a browser as Interface Division between the service management organizations 2. This browser is realized as a program stored in the memory part, and the communications program for connecting with the service management organization 2, or performing ***** of data through the Internet 7, further, etc. is memorized by this memory part.

[0054] The cellular-phone network 6 is a packet exchange network which communicates the digital data of itself existing equipped with the base station for relaying the electric wave in which the personal digital assistant 4 carries out sending and receiving, the processing module, the gate way, the position registration database, etc.

[0055] [the organization] while the service management organization 2 does collection management of the data at the time of the registration sent by the user from the user terminal 1 Manage the coupon which is planning distribution, are the terminal which performs processing for distributing the coupon which the user wishes to have to the

personal digital assistant specified by the user, consist of computers, such as a server, and The registrant database 12, while having the coupon database 13 and the control part 14 - a communications control part and an audio response unit (IVR:interactive voice response) -- [15 / have and] It has the homepage started in order to provide coupon service on the Internet using Web engine 16 grade.

[0056] The registrant database 12 memorizes the distribution conditions of the distribution information registered into the service management organization 2 by the user who wishes acquisition of a coupon, i.e., the terminal information which specifies the distribution place of a coupon, and a coupon. For example, as shown in drawing 2 , terminal information was equipped with the e-mail address assigned to the personal digital assistant 4 used as a distribution place, and distribution conditions are equipped with data items, such as a genre (coupon genre) of a coupon which wishes to distribute, and a use area. Moreover, the coupon database 13 memorizes the offer conditions of the electronized coupon and this electronized coupon, as shown, for example in drawing 3 . The electronized coupon (only henceforth a coupon) is a coupon formed with a series of digital data, such as image data and character data. Moreover, offer conditions are equipped with data items, such as a genre of a coupon, and an offer area to distribute.

[0057] The central processing unit (CPU), read-only memory (ROM) which the control part 14 does not illustrate, While performing registration processing to this system of a user according to the predetermined program which was equipped with random access memory (RAM), an input-and-output port (I/O), etc., and was given to the memory It processes distributing the coupon which is processing and demanding the distribution demand of the coupon by a user to the personal digital assistant 4 specified by a user etc.

[0058] In such system composition, when the processing performed between the user terminal 1 and the service management organization 2 is explained more concretely, first [a user] In order to receive distribution service of a coupon, it is necessary to register distribution information (terminal information, distribution conditions) into the service management organization 2 from a user terminal beforehand, and for this reason, processing as shown in drawing 4 is made. That is, the personal digital assistant 4 is connected to the Internet 7, the homepage address on the Internet which the service management organization 2 offers is inputted, the personal digital assistant 4 is connected to the service management organization 2, and a registration directions screen is required (Step 20). Then, the service management organization 2 receives this demand, and transmits a registration directions screen to the personal digital assistant 4 (Steps 22 and 24). The personal digital assistant 4 receives a registration directions screen, and is made to display it on a browser in response (Steps 26 and 28). It is a screen as which a registration method is made to choose while urging registration to it to a user, as this registration directions screen is shown in drawing 6 , for example.

[0059] How to register as a registration method according to the display on a homepage, There is a method of registering according to directions with the sound from the audio response unit (IVR) 15 prepared for the service management organization 2, and [a registration directions screen] The site address (URL) for accessing to the site in which the registration screen is accommodated when performing registration by the former method, When performing registration by the latter method, the telephone number for connecting with IVR15 of the service management organization 2 is displayed, and a user requests registration procedure from the service management organization 2 by choosing

the registration method of either of these and transmitting (Step 30).

[0060] In the domain name of an e-mail address, the service management organization 2 specifies the registration using IVR. Moreover, a login name is numerically constituted in accordance with the telephone number of a personal digital assistant, and if the number of a login name is inputted, especially when an e-mail address can be specified, it can use.

[0061] When the service management organization 2 received selection of the registration method and a site address (URL) is chosen by the user When the registration screen stored in the site is transmitted to the personal digital assistant 4 and a telephone number is chosen by the user, voice guidance (henceforth a registration sound) required in order to connect and register the personal digital assistant 4 and IVR15 is transmitted to the personal digital assistant 4 (Steps 32 and 34). This registration screen or a registration sound is a personal digital assistant ([this example] although it differs from the personal digital assistant used at the time of registration) which is the distribution place of a coupon. It is for registering distribution conditions, such as the e-mail address and coupon genre supposing the case of being the same as the personal digital assistant 4 used at the time of registration, and a use area.

[0062] The personal digital assistant 4 receives a registration screen or a registration sound, if it is a registration screen, it will be made to display it on the browser of the personal digital assistant 4 in response, and if it is a registration sound, a sound will be outputted from the speaker by which internal organs are carried out to the personal digital assistant 4 (Steps 36 and 38). A user inputs or chooses information (terminal information, distribution conditions) required in order to have a coupon distributed according to this registration screen or a registration sound, i.e., distribution information, and transmits to the service management organization 2 (Step 40). In response, the service management organization 2 receives the distribution information transmitted from the user terminal, and stores this in the registrant database 12 (Steps 42 and 44).

[0063] Although the concrete technique in particular of these steps 34-44 is not limited, if it is the method of registering according to the display on a homepage For example, a registration screen is transmitted one by one from the service management organization 2 for every item of distribution information, an input is urged, it inputs one by one at the user terminal 1, and you may make it determine the contents of an input. As shown in [drawing 7](#) , namely, an e-mail address, a coupon genre, Display the list of registration items of a use area ([drawing 7](#) (a)), and a screen is switched to the input screen of an e-mail address by operation of a final controlling element 11 on it ([drawing 7](#) (b)). A screen is switched to the selection screen of a coupon genre by inputting and determining the e-mail address assigned to the personal digital assistant 4 here ([drawing 7](#) (c)). A screen is switched to the selection screen of a use area by choosing and determining a coupon genre here ([drawing 7](#) (d)). It switches to the determination screen which determines the existence of registration of a screen by choosing and determining a use area here ([drawing 7](#) (e)), and you may be made to register after demanding a final check from a user.

[0064] Out of the item which was prepared on the registration screen and which was classified for every genre in selection of a coupon genre, for example Give a check to a check box, and choose the genres (for example, golf, a hotel, an amusement park, a restaurant, a travel, a movie theater, etc.) of a coupon to distribute as it, and it also sets to selection of a use area. From the area items prepared on the registration screen, a check is

given to a check box and the areas (for example, the inside of Tokyo Metropolitan Government, the outskirts of Shibuya, the outskirts of Shinjuku, the outskirts of Ikebukuro, etc.) which want to use a coupon are chosen as it. These genres hope that it can be made to carry out multiple selection. In this example, as a coupon genre, a hotel and a restaurant are chosen and the outskirts of Shibuya are chosen as a use area.

[0065] And the service management organization 2 transmits the completion screen of registration including the completion display of registration, or the completion sound of registration including the completion guidance of registration to a user terminal, in order to notify a user of the completion of registration, after storing distribution information (terminal information, distribution conditions) in the registrant database 12 (Step 46). At the user terminal 1, the completion screen of registration or the completion sound of registration is received, if it is the completion screen of registration, this will be displayed on a browser, if it is a registration sound, it will output from the internal-organs speaker of a personal digital assistant, and registration processing will be ended (Steps 48 and 50).

[0066] Moreover, what is necessary is just to change into a sound the contents of a series of registration screens shown in drawing 7, for example, if it is registration using IVR. Namely, if it faces inputting an e-mail address and can do instead of an e-mail address with a cellular-phone number. If a cellular-phone number is made to input and it is in selection of a coupon genre or a use area instead of making an e-mail address input. What is necessary is to assign a number for every item, and just to input from the personal digital assistant 4, for example according to voice guidance of IVR as shown in drawing 8 that what is necessary is just to make this number and "#" input, in order to register the same contents as drawing 7.

[0067] After the above registration procedure is completed, as shown in drawing 5, [the service management organization 2] The registrant whose coupon genre and area corresponding to [whole coupon] this coupon which are stored in the coupon database 13 if predetermined distribution time comes correspond is extracted with the terminal information on the registrant database 12 (Step 52). The coupon a genre and whose area correspond is transmitted to the personal digital assistant 4 specified for the terminal information specified by the extracted registrant (Step 54).

[0068] [and the personal digital assistant 4 (cellular-phone machine) of a distribution place] If the coupon sent by the service management organization 2 is received (Step 56) Terminating signals, such as a ringer tone for telling the arrival of the mail provided as an existing function, are sent to the personal digital assistant 4 (Step 58), and a coupon is displayed on the display part 10 when a user performs predetermined operation by a final controlling element 11 in response to this terminating signal (Step 60). Then, if this coupon is unnecessary for the user who looked at the coupon, he will discard, and if he desires use of this coupon, he saves the coupon in the memory part by performing predetermined operation in a final controlling element 11 (Step 62). The coupon saved in this memory part can be reproduced by predetermined operation of a final controlling element 11, can make it display on the display part 10 always now, and [a user] It is the use institution ([coupon issue-origin]) which can use a coupon about the personal digital assistant 4 which saved the coupon. it seems that it brings to the use places 17 used as a handling place, such as a hotel, a restaurant, a golf course, Schopp, a movie theater, an amusement park, and a convenience store, and service of a coupon is received -- ** -- if it carries out The saved coupon is reproduced in the display part 10 of the personal digital

assistant 1 by predetermined operation of a final controlling element 11, and this is shown with the use institution 17 of a coupon (Step 64). That is, the salesclerk of a use institution, an official in charge, etc. are made to recognize that he is the holder of a coupon, and by displaying a coupon possible [presentation] with the personal digital assistant 4 in the use institution 17 shows declaration of intention to receive coupon service in.

[0069] Therefore, according to the above composition, [a user] Since a coupon can be obtained automatically, the coupon can be shown to the use institution 17 using the personal digital assistant 4 and a coupon can be used with the personal digital assistant 4. Consumer services and coming-to-the-store attraction can be aimed at, being able to make printed matter unnecessary and aiming at reduction of costs for a coupon publisher from issue of a coupon to use. Moreover, if the coupon which can acquire automatically the coupon of the genre which he wants to obtain, and an area, and acquired it when registering also for the user (consumer) is required. If the user possesses even the personal digital assistant 4, it will become unnecessary to walk around with a coupon independently [this personal digital assistant 4], since it memorizes to the personal digital assistant 4 and can be made to display possible [presentation] always. Usually, since the personal digital assistant 4 is always carried in many cases at the time of going out, it will be in the state same with always carrying the coupon at the time of going out, and can use a coupon always anywhere. Moreover, since a coupon is saved at the personal digital assistant 4 and can be displayed possible [presentation] always, he forgets the existence of a coupon itself and missing an opportunity using a coupon also decreases. Furthermore, [when it was a coupon by a piece of paper, and the number of coupons increased, there was troublesomeness which preservation management must become serious, and must extract only a required thing out of it and must be brought to a use institution, but] [according to the above composition which can be saved at the personal digital assistant 4] If preservation management can also be performed with the personal digital assistant itself and the required coupon is all saved, it becomes unnecessary to select and walk around with a coupon for a destination, the purpose, etc., and the good coupon service system of convenience can be built.

[0070] Although the above-mentioned example showed the case where the personal digital assistant 4 used as the distribution place of a coupon was used as a user terminal which a user uses at the time of registration. Even if the personal digital assistant used as a distribution place is a different personal digital assistant, you may be made to perform the user terminal 1 used at the time of registration using said personal computer 5 etc. A personal computer 5 here as Interface Division between users. For example, the output units 9, such as the input devices 8, such as a keyboard and a mouse, and a display, a memory part, It has a communications control part etc., and has a browser as Interface Division between the service management organizations 2, and the communications program for connecting with the service management organization 2 through the program and the Internet which constitute a browser in a memory part etc. is memorized. According to the display on a homepage, you may be made to perform the same processing as drawing 4 similarly using such a personal computer 5. Moreover, since the user can register through IVR, he may be made to perform the same processing as drawing 4 using the usual telephone connected with the service management organization 2 by the common public telephone network at the time of registration.

[0071] [in addition, the information (offer conditions) which accompanies the coupon stored in the coupon database 13, and this coupon] Even if directly created using the output units 19, such as the input devices 18 prepared for the service management organization 2, such as a keyboard, a mouse, a floppy disk, and an image leader, and a display You may collect the information which accompanies the digital data of the coupon created externally, and this through a network.

[0072] The above system is a system which has big Merritt also for a coupon user also for a coupon publisher. [when the basic composition which can be used in all the industries using a coupon is not made and the service management organization and the use institution of the coupon are not connected in particular through the network] It can use, when performing coming-to-the-store attraction which the service management organization and the use institution of the coupon tied up, and used the coupon.

[0073] In namely, the case so that a coupon may be distributed in response to the commission from a store which wants to publish a coupon with the service management organization 2 For example, the package plan distributed to the predetermined number at a predetermined charge is beforehand prepared in the service management organization. When making a contract of use of this package plan between use institutions to distribute a coupon to and building the coupon database 13 directly using the input device 18 etc. in the service management organization 2, it can use.

[0074] The model adapting this is taken [as opposed to / next / the above basic composition] up. The example of application (the 1st model) shown in drawing 7 is the model which associated the credit card and the coupon, and the user who receives coupon service in this example is the card member who had the credit card published from the card issuer 71. In addition, in this example, a card issuer (ISHUA) and a member's store contract company (AKUWAIYARA) take up the example of the most typical contract between 3 persons that is the same card issuer.

[0075] In this example, [an electronic coupon service system] It has the user terminal 1, the service management organization 2, the card member's store 70, the card issuer 71, the relay center 72, the bank used to settle accounts 73, and the network of data communication (network) 74 containing the cellular-phone network which connects these, the Internet, etc., and is constituted.

[0076] The user terminal 1 is the same as that of said basic composition, and is constituted including the personal digital assistant 4. Also in this example of composition, although a personal computer, telephone, etc. other than the personal digital assistant 4 may be used at the time of registration, it is characterized by using a personal digital assistant at the time of reception of a coupon, and it also sets it for this example. The case where only the personal digital assistant 4 which becomes below from the cellular-phone machine same as a user terminal 1 as the above-mentioned is used is explained.

[0077] [the organization] while the service management organization 2 does collection management of the registration data (distribution information) sent by the card member from the user terminal 1 Are the terminal which performs processing which distributes the coupon which the card member wishes to have to the personal digital assistant 4 specified by this card member, consist of computers, such as a server, and The registrant database 12, While having the coupon database 13, the card information database 79, and the control part 14 It has a communications control part and the audio response unit (IVR) 15, and has the homepage started in order to provide coupon service on the Internet

using Web engine 16 grade.

[0078] The registrant database 12 memorizes the distribution information registered into the service management organization 2 by the card member who wishes acquisition of a coupon, i.e., the terminal information which specifies the distribution place of a coupon, and the distribution conditions of a coupon. This registrant database 12 is the same data composition as said drawing 2, terminal information was equipped with the e-mail address assigned to the personal digital assistant 4 used as a distribution place, and distribution conditions are equipped with data items, such as a genre of a coupon which wishes to distribute, and a use area. Moreover, the coupon database 13 is the same data composition as said drawing 3, and memorizes the offer conditions of the electronized coupon which was collected from the card member's store 70, and this coupon. Offer conditions are equipped with data items, such as a genre of a coupon, and a supply area to distribute. The card information database 79 is equipped with a card number, a personal identification number, and the term of validity so that it may be shown in the information about the card which the card member who collected from the card issuer owns, for example, drawing 10.

[0079] The central processing unit (CPU), read-only memory (ROM) which the control part 14 does not illustrate, While performing registration processing to this system of a card member according to the predetermined program which was equipped with random access memory (RAM), an input-and-output port (I/O), etc., and was given to the memory It processes distributing the coupon which is processing and demanding the distribution demand of the coupon by a card member to the personal digital assistant 4 specified by a card member etc.

[0080] The card issuer 71 is a company which publishes the credit card which a card member owns. The member database 75 which stores a card member's personal information with card information, including the number of the published credit card, the personal identification number which the member submitted notice on, the term of validity, etc., It has the computer terminal which has the validity, the invalidity, the use database 76 that pays and stores the data of a situation (aren't there any arrears or not?) etc., and the control part 77 of a credit card of a card member.

[0081] The central processing unit (CPU), read-only memory (ROM) which the control part 77 does not illustrate, It has random access memory (RAM), an input-and-output port (I/O), etc. According to the predetermined program given to the memory, the candidate who distributes a coupon out of a card member is listed, or it processes exchanging settlement-of-accounts information through the relay center 72 between the card member's stores 70 mentioned later etc.

[0082] The card member's store 70 is an agency which deals with the credit card which signed the member's store contract with the card issuer 71, and the card issuer 71 published, and is equipped with the CAT terminal 78 which performs authorization business. Moreover, the relay center 72 is a center of the common knowledge which exchanges the settlement-of-accounts information between the card member's store 70 and the card issuer 71, and is represented with the existing CAFIS center.

[0083] If the processing for which a coupon is made to supply and use to a card member is explained using such system composition The list of members who want for the card issuer 71 and the service management organization 2 to tie [members] up, and to distribute a coupon by the card issuer 71 is extracted. It sends to the service management

organization 2 by memorizing whether this member list is transmitted to the service management organization 2 through a network 74 to storages, such as a floppy disk. It has the distinction information (for example, a card number, a personal identification number, the term of validity) for making this member list distinguish that it is each card member's listed card information, i.e., a card member. Moreover, the card issuer 71 will notify of the ability of an electronic coupon to be obtained, if direct mail etc. is published and registered to the listed member. [furthermore, offer conditions, such as the coupon and coupon genre which the card issuer 71 collected from the card member's store 70, and an offer area.] It sends to the service management organization 2 by making it digital data and memorizing whether it transmits to the service management organization 2 through a network 74 to storages, such as a floppy disk. Or if it is in a coupon, you may make it send the model itself to the service management organization 2. The service management organization 2 stores in the coupon database 13 the coupon sent by the card issuer 71 with offer conditions, such as a coupon genre and an offer area.

[0084] A card member performs registration procedure to the service management organization 2 based on the information of which it was notified by the card issuer 71. This registration procedure registers like the case of said basic composition according to directions with the sound from the audio response unit (IVR) 15 prepared for the service management organization 2 according to the display on a homepage.

[0085] In that case, based on card information, it judges whether you are the member and the existence of registration is determined for a card member's distinction information acquired from the card issuer 71, i.e., this example. As shown in drawing 11 if the example of a registration process in such a case is described below. The personal digital assistant 4 is connected to the Internet, the homepage address on the Internet which the service management organization 2 offers is inputted, the personal digital assistant 4 is connected to the service management organization 2, and a registration directions screen is required (Step 80). Then, the service management organization 2 receives this demand, and transmits a registration directions screen to the personal digital assistant 4 (Steps 82 and 84). The personal digital assistant 4 receives a registration directions screen, and is made to display it on a browser in response (Steps 86 and 88). This registration directions screen is a screen as which a registration method is made to choose while it is the same as that of said drawing 6 and urging registration to it to a card member, for example.

[0086] The way a card member registers in response according to the display on a homepage, Registration procedure is requested from the service management organization 2 by choosing the registration method of either of the methods of registering according to directions with the sound from the audio response unit (IVR) 15 prepared for the service management organization 2, and transmitting (Step 90).

[0087] When the service management organization 2 received selection of the registration method and a site address (URL) is chosen by the card member When the registration screen stored in the site is transmitted to the personal digital assistant 4 and a telephone number is chosen by the card member, voice guidance (henceforth a registration sound) required in order to connect and register the personal digital assistant 4 and IVR 15 is transmitted to the personal digital assistant 4 (Steps 92 and 94). [a sound] while this registration screen or a registration sound confirms whether those who are doing the registration process are card members It is for registering distribution conditions, such as the e-mail address and coupon genre of the personal digital assistant

(although it differs from the personal digital assistant used at the time of registration, in this example, the case of being the same as the personal digital assistant 4 used at the time of registration is assumed) which is the distribution place of a coupon, and a use area.

[0088] The personal digital assistant 4 receives a registration screen or a registration sound, if it is a registration screen, it will be made to display it on the browser of the personal digital assistant 4 in response, and if it is a registration sound, a sound will be outputted from the speaker by which internal organs are carried out to the personal digital assistant 4 (Steps 96 and 98). A card member inputs or chooses distribution information (terminal information, distribution conditions) required in order to have a coupon besides the card information on a credit card distributed according to this registration screen or a registration sound, and transmits to the service management organization 2 (Step 100). In response, the service management organization 2 matches a member's existence as compared with the card information stored in the card information database 79 which acquired the card information sent from the user terminal from the card issuer (Steps 102 and 104).

[0089] [the card information which I have inputted from the user terminal 1 since a member's existence is matched] [if it becomes the information for having you distinguish to be distinguished, and it makes to be a card member into a card number, the personal identification number of a card, and the term of validity of a card, for example, these two or more information is in agreement, will make the result of matching into **, but] The result of matching will be made unsuitable if there is nothing that corresponded (Step 106). If the result of matching is unsuitable, the service management organization 2 will transmit the screen of receptionist refusal, or the sound of receptionist refusal to the user terminal 1 (Step 108). At the user terminal 1, the screen of receptionist refusal or the sound of receptionist refusal is received, if it is the screen of receptionist refusal, this will be displayed on a browser, if it is the sound of receptionist refusal, this will be outputted from the internal-organs speaker of a personal digital assistant, and registration will be ended (Steps 110 and 112).

[0090] Moreover, in Step 106, if the result of matching is **, the service management organization 2 stores in the registrant database 12 the distribution information (terminal information, distribution conditions) transmitted from the user terminal (Step 114).

[0091] And the service management organization 2 transmits the completion screen of registration including the completion display of registration, or the completion sound of registration including the completion guidance of registration to a user terminal, in order to notify a card member of the completion of registration, after storing distribution information in the registrant database 12 (Step 116). At the user terminal 1, the completion screen of registration or the completion sound of registration is received, if it is the completion screen of registration, this will be displayed on a browser, if it is a registration sound, it will output from the internal-organs speaker of a personal digital assistant, and registration processing will be ended (Steps 118 and 120).

[0092] As long as especially the concrete technique of the above-mentioned steps 94-102 is a method of registering according to the display on a homepage, for example it transmits a registration screen for card information or distribution information one by one for every item, and an input is urged to it, it is inputted one by one, and you may make it determine the contents of an input, although not limited. As shown in drawing 12 ,

namely, a card number, the personal identification number of a card, the term of validity of a card, The list of registration items of an e-mail address, a coupon genre, and a use area is displayed ([drawing 12](#) (a)). A screen is switched to the input screen of a card number by operation of a final controlling element 11 on it ([drawing 12](#) (b)). A screen is switched to the input screen of a card personal identification number by inputting and determining a card number here ([drawing 12](#) (c)). A screen is switched to the input screen of an expiration date of the credit card by inputting and determining a card personal identification number here ([drawing 12](#) (d)). A screen is switched to the input screen of an e-mail address by inputting and determining an expiration date of the credit card here ([drawing 12](#) (e)). A screen is switched to the selection screen of a coupon genre by inputting and determining an e-mail address here ([drawing 12](#) (f)). A screen is switched to the selection screen of a use area by choosing and determining a coupon genre here ([drawing 12](#) (g)). It switches to the determination screen which determines the existence of registration of a screen by choosing and determining a use area here ([drawing 12](#) (h)), and you may be made to register after demanding a final check from a user.

[0093] Out of the item which was prepared on the registration screen and which was classified for every genre in selection of a coupon genre, for example Give a check to a check box, and choose the genres (for example, golf, a hotel, an amusement park, a restaurant, a travel, a movie theater, etc.) of a coupon to distribute as it, and it also sets to selection of a use area. From the area items prepared on the registration screen, a check is given to a check box and the areas (for example, the inside of Tokyo Metropolitan Government, the outskirts of Shibuya, the outskirts of Shinjuku, the outskirts of Ikebukuro, etc.) which want to use a coupon are chosen as it. These genres hope that it can be made to carry out multiple selection. In this example, as a coupon genre, a hotel and a restaurant are chosen and the outskirts of Shibuya are chosen as a use area.

[0094] Moreover, what is necessary is just to change into a sound the contents of a series of registration screens shown in [drawing 12](#) , for example, if it is registration using IVR. Namely, the e-mail address a card number, the personal identification number of a card, the term of validity of a card, and whose login name correspond with a cellular-phone number is inputted as it is. What is necessary is to assign a number for every item, and just to input from the personal digital assistant 4 according to voice guidance of IVR, for example that what is necessary is just to make this number and "#" input, as shown in [drawing 13](#) in order to register the same contents as [drawing 12](#) if it is in selection of a coupon genre or a use area.

[0095] After the above registration procedure is completed, as shown in [drawing 5](#) , [the service management organization 2] The registrant (registered card member) who is stored in the coupon database 13 if predetermined distribution time comes and the coupon genre and whose area correspond for every coupon is extracted with the terminal information on the registrant database 12 (Step 52). The coupon whose conditions correspond is transmitted to the personal digital assistant 4 specified by the extracted registrant (Step 54).

[0096] [and the personal digital assistant 4 (cellular-phone machine) of a distribution place] If the coupon sent by the service management organization 2 is received (Step 56) Terminating signals, such as a ringer tone for telling the arrival of the mail provided as an existing function, are sent to a personal digital assistant (Step 58), and a coupon is

displayed on the display part 10 when a card member performs predetermined operation by a final controlling element 11 in response to this terminating signal (Step 60). Then, if this coupon is unnecessary for the card member who looked at the coupon, he will discard, and if he desires use of this coupon, he saves the coupon in the memory part by performing predetermined operation in a final controlling element 11 so that it can display on a display part at any time (Step 62). The coupon saved in this memory part can be reproduced by predetermined operation of a final controlling element 11, can make it display on the display part 10 always now, and [a card member] it seems that the personal digital assistant 4 which saved the coupon is brought to the card member's store 70 which can use a coupon, and service of a coupon is received -- ** -- if it carries out The display part 10 of the personal digital assistant 1 is made to reproduce the coupon saved at the personal digital assistant by predetermined operation of a final controlling element 11, and this is shown to the card member's store 70.

[0097] [the method] although neither the method of preservation nor the reproductive method in particular is limited For example, in order to reproduce the coupon which saves the corresponding coupon with the card member's store name which is item [of a coupon genre], and coupon issue-origin, and has been saved For example, as shown in drawing 14 , the genre item of the saved coupon etc. is displayed by list, and it chooses from them and you may make it display a coupon. That is, show the display part 10 of this personal digital assistant 4 by the card member's store 70, it makes it recognize that he is the card member who owns a coupon, and by displaying on the display part 10 of the personal digital assistant 4 possible [presentation of a coupon] shows declaration of intention to receive coupon service in.

[0098] And in using this coupon, a credit card performs the price settlement of accounts to the purchase of the goods in the card member's store 70, or offer of service. The method of pay by card is based on the method of ***** existing for old, and the outline inserts the credit card which a card member owns in the CAT terminal 78 installed in the card member's store 70, and exchanges settlement-of-accounts information for it through the relay center 72 between the card member's store 70 and the card issuer 71. [since the concrete processing is the same as usual, omit for details, but] The OSORI demand wording of a telegram transmitted using the CAT terminal 78 from the card member's store 70 is sent to the relay center 72. It is changed into sales demand wording of a telegram here, and is transmitted to a card issuer, and, in response, report wording of a telegram is transmitted by a card issuer based on the information in the use database 76, and after transforming into OSORI report wording of a telegram the report wording of a telegram returned by this card issuer in the relay center 72, the card member's store 70 is returned. And if satisfactory, the capture demand wording of a telegram transmitted from the card member's store 70 will be changed into a sales data file in the relay center 72, and it will process transmitting to the card issuer 71 etc.

[0099] [the card issuer 71] if a predetermined clearing time term comes in response, when applying a commission to the card member's store 70 In pointing to settlement of accounts to the bank used to settle accounts 73 so that the account of the card member's store 70 may receive the settlement-of-accounts price which deducted the commission, and applying a commission to a card member Settlement of accounts is directed to the bank used to settle accounts 73 so that the settlement-of-accounts price which added the commission may be changed to the card issuer's 71 account from a card member's

account. Moreover, a card issuer directs that the part collected as a commission changes to the account of a service management organization from a card issuer's account as a service commission of the service management organization 2 to the bank used to settle accounts 73.

[0100] The contents of the above model [1st] are shown to drawing 15 by the explanatory view made intelligible, and them [card issuer] While supplying the coupon collected from the card member's store to a service management organization, listing the member who distributes a coupon and sending the list to a service management organization, it notifies of distribution of a coupon being possible with direct mail etc. to the user who listed (**). In response, the card member who wants to receive distribution of a coupon registers by the screen application using the registration screen displayed on the display part of the voice application or the user terminal which used the voice guidance by IVR for the service management organization (**). In the case of this registration, the distribution conditions of the terminal information on a personal digital assistant to transmit a coupon to (e-mail address) and a coupon to distribute are registered. And if a service management organization has the coupon which a user desires, it will transmit the coupon to the personal digital assistant which the user registered (**). (if there is a coupon which is in agreement with distribution conditions) A user displays this distributed coupon, after choice, he saves a required coupon at a personal digital assistant, brings (**) and this personal digital assistant to the card member's store which can use a coupon, and displays and shows the coupon saved [in that store] at the personal digital assistant to a display part (**). Moreover, a user performs the price settlement of accounts to the purchase of the goods in a card member's store, or offer of service with a card (**). And a card member's store exchanges settlement-of-accounts information among card issuers through a relay center using a CAT terminal (**). Then, a card issuer remits a part of collected card use commission to a service management organization as a service commission while collecting the use commission of a card from a card member's store or a card member (**).

[0101] Therefore, it sets to such a model building. Since the card member can get a coupon needed automatically, can show the coupon to the card member's store 70 using the personal digital assistant 4 and can use a coupon with the personal digital assistant 4 The printed matter of a to [from issue of the coupon to a card member / use] can be made unnecessary, and reduction of costs can be aimed at for a coupon publisher. That is, if it was in the former, the coupon of the card member's store was sent from the card issuer with direct mail etc. to the card member, but if this system is used, reduction of such direct mails can be aimed at. Moreover, while raising the service to a card member by distributing an electronic coupon automatically to a card member, coming-to-the-store attraction of a card member can be aimed at positively, and promotion of utilization of a card can be planned. Furthermore, much more promotion of card use can be aimed at from carrying out price settlement of accounts with a card, when this coupon is used.

[0102] Moreover, if the coupon which it will be automatically obtained if there is a coupon of the genre which he wants to obtain also for a card member, and an area, and was received is required If the card member possesses even the personal digital assistant 4, it will become unnecessary to walk around with a coupon independently [this personal digital assistant 4], since it can memorize to a personal digital assistant and can be made to display possible [presentation] always anywhere. Since the personal digital assistant 4

is always carried in many cases at the time of going out, it will be in the state where the coupon is always carried at the time of going out, and can use a coupon always anywhere. Moreover, since a coupon is saved at the personal digital assistant 4 and can be displayed possible [presentation] always, he forgets the existence of a coupon itself and that an opportunity to use a coupon misses also decreases. Furthermore, [when it was a coupon by a piece of paper, and the number of coupons increased, there was troublesomeness which preservation management must become serious, and must extract only a required thing out of it, and must be brought to a card member's store, but] If preservation management can also be performed with the personal digital assistant itself according to the above composition which can be saved at a personal digital assistant and the coupon required until now is all saved It becomes unnecessary to select and walk around with a coupon for a destination, the purpose, etc., and the good coupon service system of convenience can be built.

[0103] In addition, although the above-mentioned model showed the example which associated the credit card and the coupon, a debit card may be used instead of a credit card, and a debit card and a coupon may be associated. In this case, although card issuers differ in that it becomes a bank used to settle accounts, other fundamental composition can respond by the same model as ****.

[0104] [other examples of application (the 2nd model) are shown in drawing 16 , and / the coupon service system in this example] It is what a service management organization and use institutions (Schopp, a restaurant, a movie theater, an amusement park, a convenience store, etc.) tie up directly, and offers coupon service. It has the user terminal 1, the use institution 121 which is coupon issue-origin, the service management organization 2, the cellular phone company 122, and the network of data communication (network) 123 that connects these, and is constituted.

[0105] The user terminal 1 is the same as that of what is constituted including the personal digital assistant which a user uses at least, and was used with said basic composition. Also in this composition, although a personal computer, telephone, etc. may be used at the time of registration, it is characterized by performing reception of a coupon with the personal digital assistant 4, and sets below. The case where registration to a service management organization and reception of a coupon are performed only using the personal digital assistant 4 which consists of the cellular-phone machine same as a user terminal 1 as the above-mentioned is assumed.

[0106] [the organization] while the service management organization 2 does collection management of the registration data sent by the user from the user terminal 1 Collection management of the registration data sent by the coupon publisher from the use institution 121 is carried out. Are the terminal which performs processing which distributes the coupon which the user wishes to have to the personal digital assistant 4 specified by the user, consist of computers, such as a server, and The registrant database 12, While having the coupon database 13, the registration institution database 124, and the control part 14 a communications control part and an audio response unit (IVR) -- it has 15 and has the homepage started in order to provide coupon service on the Internet using Web engine 16 grade.

[0107] The registrant database 12 memorizes the distribution conditions of the distribution information registered into the service management organization 2 by the user who wishes acquisition of a coupon, i.e., the terminal information which specifies

the distribution place of a coupon, and a coupon. This registrant database 12 is the same data composition as said drawing 2, terminal information was equipped with the e-mail address assigned to the personal digital assistant 4 used as a distribution place, for example, and distribution conditions are equipped with data items, such as a genre of a coupon which wishes to distribute, and a use area, for example. Moreover, the coupon database 13 is the same data composition as said drawing 3, and memorizes the offer conditions of the electronized coupon which was collected from the card member's store 70, and this coupon. Moreover, the registration institution database 124 memorizes the use institution information, including an institution name, an address, a telephone number, an e-mail address, etc., registered into the service management organization 2 by the use institution 121 which wishes issue of a coupon.

[0108] The central processing unit (CPU), read-only memory (ROM) which the control part 14 does not illustrate, While performing registration processing to this system of a user according to the predetermined program which was equipped with random access memory (RAM), an input-and-output port (I/O), etc., and was given to the memory Registration processing to this system of the use institution 121 which is a coupon publisher is performed, and it processes distributing the coupon which is processing and demanding the distribution demand of the coupon by a user to the personal digital assistant specified by a user etc.

[0109] As a terminal which the use institution 121 is constituted from many and unspecified Schopp, a restaurant, a movie theater, an amusement park, a convenience store, etc. which consist of a store, a company, etc., and is connected with the service management organization 2 For example, it has the existing personal computer 125 and has the output units 127, such as the input devices 126, such as a keyboard and a mouse, and a display, as Interface Division between the coupon publishers of a use institution to this computer, for example. Moreover, the computer of a use institution is equipped with a memory part, a communications control part, etc., and has a World Wide Web browser as Interface Division between the service management organizations 2. A World Wide Web browser is realized as a program stored in the memory part, and the communications program for connecting with a service management organization through the Internet etc. is further memorized by this memory part.

[0110] Moreover, the computer 125 is equipped with the customer database 128 and the control part 129. The customer database 128 memorizes the distribution conditions of the terminal information for specifying the personal digital assistant which the customer using a use institution owns, and a coupon. Terminal information was equipped with the e-mail address, for example, and distribution conditions are equipped with data items, such as a genre of a coupon which wishes to distribute, for example, and a use area, and it has the same data item as the registrant database 12 shown in drawing 2 which the service management organization 2 owns.

[0111] The control part 129 processes transmitting the data of the customer database 128 to the service management organization 2 if needed etc. while processing the customer data inputted.

[0112] As opposed to the owner of the personal digital assistant 4 to whom a coupon is distributed by registration of a user while the cellular phone company 122 manages a network 123 It executed by proxy to the service management organization 2, had the computer terminal which processes collecting the charge of information service etc., and

has the fee collection database 150 and the control part 152.

[0113] As for the fee collection database 150, owner information, the amount of fee collection, etc. of a personal digital assistant which the user specified at the time of registration of this service memorize the fee collection information which is needed when charging the charge of information service (for example, monthly amount fixed charge). When a user registers the control part 152 to the service management organization 2, it makes the user who updated the fee collection information on the fee collection database 150, and newly registered the candidate of fee collection, or processes totaling the charge of information service paid for the service management organization 2 etc.

[0114] If the outline of the processing for which a user is made to supply and use the coupon of the use institution 121 is explained using such system composition Each use institution 121 which is service management organization 2 and coupon issue-origin ties up. The service management organization 2 collects a coupon and the information relevant to it, including offer conditions etc., directly from the use institution 121 which I got the service management organization 2 to register to the coupon publisher of the use institution 121 who wants to use this system, and was registered through the network 123. Moreover, I get the service management organization 2 to register also to the user who wishes distribution of a coupon.

[0115] Since the registration to a user's service management organization 2 is the same as that of the processing shown by drawing 4 of said basic composition, explanation is omitted, but registration to the service management organization 2 of the use institution 121 is performed as shown in drawing 17. After [namely,] inputting the homepage address on the Internet which connects the computer 125 in each use institution 121 to a network 123, and the service management organization 2 offers and connecting with the service management organization 2 A registration screen is required of the service management organization 2 (Step 130). According to the demand from a use institution, a registration screen is transmitted to the use institution 121 (Step 132), in response, a use institution receives a registration screen, and the service management organization 2 displays a registration screen on a browser (Steps 134 and 136).

[0116] Although the concrete technique in particular of registration is not limited, from the service management organization 2, for example, transmit to the use institution 121, and a registration screen as shown in drawing 18 [the use institution 121] This registration screen is followed, the offer conditions of use institution information and a coupon are inputted or chosen, and these information and conditions are transmitted to the service management organization 2 (Step 138). Namely, for example, the part which inputs the institution name of a use institution into a registration screen, the part which inputs the address of a use institution, The part which inputs the telephone number of a use institution, the part which inputs the e-mail address of a use institution, The part which chooses a coupon genre, the part which chooses an offer area, etc. are established. While inputting the use institution information for pinpointing use institutions, such as an institution name of a use institution, an address, a telephone number, and an e-mail address, into each corresponding input part Out of the item beforehand prepared on the screen in the coupon genre and the offer area, a check is given to a radio button, an applicable item is chosen as it, and use institution information and the offer conditions of a coupon are transmitted to the service management organization 2 by uniting and clicking a mouse pointer on a registration button. Moreover, the data of the electronized

coupon is transmitted to the service management organization 2 from the computer 125 of the use institution 121 by predetermined methods, such as an E-mail.

[0117] for example, to distribute around Shibuya the coupon that a certain restaurant is shown by drawing 15 (b) While choosing the part where an offer area corresponds while choosing the part where a coupon genre corresponds, as shown in drawing 15 (a) and pushing and registering a registration button, the coupon created by the restaurant side as shown by drawing 15 (b) is electronized, and it transmits to the service management organization 2.

[0118] The use institution information that the service management organization 2 was seen off from the use institution in response, The data of offer conditions and the electronized coupon is received (Step 140), use institution information is stored in a use institution database 124, and the data and the offer conditions of the electronized coupon are stored in the coupon database 13 (Step 142). And if all the registration matters are transmitted to the service management organization 2 from the use institution 121 as mentioned above, the service management organization 2 will transmit the completion screen of registration which notifies the completion of registration to the use institution 121 (Step 144). With the use institution 121, the completion screen of registration is received, this is displayed on a browser, and this ends a series of registration processings (Steps 146 and 148).

[0119] An end of the above registration procedure will make processing of said basic composition as shown in drawing 5 , and the same processing. Namely, the service management organization 2 extracts the registrant (registered card member) who is stored in the coupon database 13 if predetermined distribution time comes and the coupon genre and whose area correspond for every coupon with the terminal information on the registrant database 12 (Step 52). The coupon whose conditions correspond is transmitted to the personal digital assistant 4 specified by the extracted registrant (Step 54).

[0120] [and the personal digital assistant 4 (cellular-phone machine) of a distribution place] If the coupon sent by the service management organization 2 is received (Step 56) Terminating signals, such as a ringer tone for telling the arrival of the mail provided as an existing function, are sent to the personal digital assistant 4 (Step 58), and a coupon is displayed on the display part 10 when a user performs predetermined operation by a final controlling element 11 in response to this terminating signal (Step 60). Then, if this coupon is unnecessary for the user who looked at the coupon, he will discard, and if he desires use of this coupon, he saves a coupon in a memory part by performing predetermined operation in a final controlling element 11 (Step 62).

[0121] and -- it seems that a user brings the personal digital assistant 4 with which this coupon is saved to the use institution 121, and service of a coupon is received -- ** -- if it carries out The saved coupon is displayed on the display part 10 of the personal digital assistant 4 possible [presentation] by predetermined operation, this is shown to a capacity, an official in charge, etc. of the use institution 121, and use of a coupon is urged (Step 64).

[0122] Although neither the method of preservation of a coupon nor the reproductive method in particular is limited For example, in order to reproduce the coupon which saves the corresponding coupon with the use institution name which is item [of a coupon genre], or coupon issue-origin, and has been saved As shown in drawing 19 , the genre item of the saved coupon etc. is displayed by list, and it chooses from them and you may

make it display a coupon. That is, show the display part 10 of this personal digital assistant 4 as the use institution 121, it makes it recognize that they are those who own a coupon, and by displaying on the display part 10 of the personal digital assistant 4 possible [presentation of a coupon] shows declaration of intention to receive coupon service in. In response, with the use institution 121, according to the contents of the coupon, discount offer of goods or service is performed or a present is offered.

[0123] In addition, since it registers with the fee collection database 150 of the cellular phone company 122 in this model at the same time a user registers to the service management organization 2 The cellular phone company 122 executes by proxy to the service management organization 2, and collects the charge of information service (for example, monthly amount fixed charge) from a user. Moreover, even if it faces registration of the use institution 121, it is good also as a charged system.

[0124] [the use institution which the figure which illustrated the contents of the above model plainly is shown in drawing 20 , and publishes coupons, such as Schopp, a movie theater, an amusement park, a convenience store, and a restaurant,] The Internet etc. is used for a service management organization and use institution information, the offer conditions of a coupon, and a coupon are registered. This registration is a charge or no charge. Getting mixed up with this registration operation, a use institution notifies of distribution of an electronic coupon being attained to many and unspecified persons using a poster, the Internet, a magazine, etc. The personal digital assistant with which he, in response, carries the user who wants to receive distribution of a coupon. Or it registers by the screen application using the registration screen displayed on the display part of the voice application or the user terminal which used the registration guidance by IVR for the service management organization from personal computer and touch-tone phone-type telephone etc. While registering the distribution conditions of the terminal information on the personal digital assistant 4 to transmit a coupon to (e-mail address), and a coupon to distribute in the case of this registration, in order to consider it as pay service to a user, it registers with the fee collection database of a cellular phone company. And if a service management organization has the coupon which a user desires, it will transmit the coupon to the personal digital assistant which the user registered. A user saves this transmitted coupon at a personal digital assistant, brings this personal digital assistant to the use institution which can use a coupon, and displays and presents the coupon saved with that use institution at the personal digital assistant. Thereby, in a use institution, it divides to goods or service, and influence is received or service of acquiring a present is received.

[0125] Therefore, it sets to such a model building. Since the user who registered can get a coupon needed automatically, can show the coupon to a use institution using the personal digital assistant 4 and can use a coupon with a personal digital assistant Printed matter can be made unnecessary from issue of a coupon to use, and while being able to perform consumer services, aiming at reduction of the costs which publish a coupon in each use institution, coming-to-the-store attraction can be aimed at.

Continued translation.

[0126] Moreover, it is since it can memorize to the personal digital assistant 4 and can be made to display possible [presentation] always, if the coupon which it will be automatically received if there is a coupon of the genre which he wants to obtain also for a consumer, and an area, and was received is required, If the user possesses even the personal digital assistant 4, it will become unnecessary to walk around with a coupon apart from this personal digital assistant. Since it always walks around with the personal digital assistant 4 in many cases at the time of going out, it becomes being the same as that of the state where the coupon is always carried at the time of going out, and can use a coupon always anywhere. Moreover, since a coupon is saved at the personal digital assistant 4 and can be displayed possible [presentation] always, he forgets the existence of a coupon itself and that an opportunity to use a coupon misses also decreases. Furthermore, if it is a coupon by a piece of paper, when the number of coupons will increase, it is, Although there was troublesomeness which preservation management must become serious, and must extract only a required thing out of it, and must be brought to a use institution [according to the above composition which can be saved at the personal digital assistant 4] If preservation management is also personal digital assistant 4 itself, and can be performed and the coupon required until now is all saved, it becomes unnecessary to select and walk around with a coupon for a destination, the purpose, etc., and the good coupon service system of convenience can be built.

[0127] Moreover, those who want to obtain a coupon since the coupon which he wants to obtain is distributed to the personal digital assistant which he carries automatically, A coupon can be obtained as long as the personal digital assistant specified by a user is being carried, even when the troublesomeness which collects coupons disappears from a newspaper, the advertisement of a magazine, etc. and it is out.

[0128] The registrant database 12 is in above-mentioned composition, In order to make the notice from the use institution 121 unnecessary, the above customer databases 128 are created, and the data is transmitted to the service management organization 2, and you may make it use, although a user registers arbitrarily by the notice from the use institution 121. That is, in above-mentioned composition, a user does registration procedure from the user terminal 1 to the service management organization 2 individually. Although it was, still more nearly another service form becomes possible by transmitting the data of the customer database 128 in the use institution 121 to the direct service management organization 2, and making it make it shift to the registrant database 12.

[0129] That is, since terminal information and distribution conditions of the same customer as the registrant database 12 are included in the customer database 128, the data of the customer database 128 is transmitted to the service management organization 2. The registration process to the cellular phone company 122 is skipped by making it shift to the registration database 12, and it becomes possible to be made to distribute a coupon for nothing to the customer of the use institution 121. If it puts in another way, there are such composition, then Merritt where the registration to the service management organization 2 becomes unnecessary for every customer, but receive a customer. Since it becomes impossible to charge, it is possible to prepare service forms, such as a package plan to distribute a coupon to the customer of the predetermined number at a predetermined charge between the service management organization 2 and the use institution 121.

[0130] In addition, although the terminal which uses the terminal which a user uses at the time of registration, and the terminal used when receiving a coupon showed the example using a cellular-phone machine by each above-mentioned model, it is at the time of registration, As a personal digital assistant which may be made to perform by the personal computer, telephone usual touch-tone phone type, etc., and is used at the time of reception The function to receive the coupon distributed, and the function to save the received coupon, If it has the function which can be displayed possible [presentation of the saved coupon], it is [anything] good, and it cannot be overemphasized that you may make it use other personal digital assistants, such as PDA (Personal Digital Assistant).

[0131] Furthermore, although the above-mentioned example showed the case where a coupon genre and a use area were specified as distribution conditions which a user demands, abolish these distribution conditions. Making it specify ** and other conditions, the embodiment indicated in this Description is an example to the last, does not limit this invention, and covers all the alternative examples, the example of correction, and equivalent which are contained in the technical idea of this invention specified by Claims.

[0132]

[Effect of the Invention] Since the coupon electronized using the personal digital assistant is received, this is saved and it enabled it to display possible [presentation] on a personal digital assistant always according to the electronic coupon service system and method concerning this invention as stated above, Reduction of the coupons by printed matter is aimed at, and management of a coupon is easy and it can use always anywhere. Moreover, if the candidate for distribution of a coupon is limited to a card member, promotion of utilization of a card can be planned with coming-to-the-store attraction. Moreover, in order to connect the composition in which coupon issue-origin and a service management organization do a ***** tie-up, and offer offer service for a coupon then many and unspecified users, and a use institution, activation of coupon service can be attained.

[Translation done.]lation done.]